

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of RAMSEY

**Application No. 10/629,970**

**Confirmation No: 9529**

**Attorney Docket No. 1875-P02580US0**

**Group Art Unit: 1753**


**Filed: July 30, 2003**

**For: NANOSTRUCTURED MATERIAL  
TRANSPORT DEVICES AND THEIR  
FABRICATION BY APPLICATION OF  
MOLECULAR COATINGS TO  
NANOSCALE CHANNELS**

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that this Correspondence is being deposited on the date identified below with the United States Postal Service as first-class mail in an envelope properly addressed to Commissioner for Patents, Alexandria, VA 22313-1450

December 30, 2004  
Date of Certificate

  
Joan Rodgers

Commissioner for Patents  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97**

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith a Form PTO-1449. Because the filing date of this application is after June 30, 2003, only copies of the citations that are not U.S. Patents or U.S. Published Patent Applications are provided.


This Information Disclosure Statement is being filed more than three months after the filing date of the application. However, Applicants have not yet received an action on the merits of the application. Accordingly, Applicants believe that no fee is required pursuant to 37 C.F.R. § 1.97 (b) (3). In the event a fee is required, the Commissioner is authorized to charge the required fees to deposit account no. 04-1406. A duplicate copy of this sheet is included for fee processing, if necessary.

Applicants respectfully request full and proper consideration of the listed information during examination of the application, and that the listed information be printed on any patent that issues therefrom.

**Appl. No. 10/629,970**  
**Docket No: 1875-P02580US0**

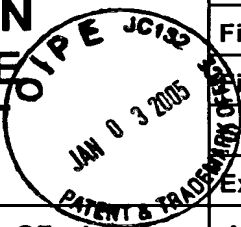
Respectfully submitted,

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Enclosures - Form PTO-1449 (w/encl)

# INFORMATION DISCLOSURE STATEMENT



Complete if known

Application Number: 10/629,970

Filing Date: July 30, 2003

First Named Inventor: RAMSEY

Group Art Unit: 1753

Examiner Name:

SHEET 1 OF 1

Attorney Docket Number: 1875-P02579US01

## UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT

## OTHER CITATIONS - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		Angell et al., "Silicon Micromechanical Devices", Scientific American, 248:44-55 (1983)
		Kricka et al., "Liquid Transport in Micron and Submicron Channels", SPIE, 1167: 159-168 (1989)
		Jirage et al., "Nanotubule-Based Molecular-Filtration Membranes", Science, Vol. 278, p. 655-658 (1997)
		Han et al., "Separation of Long DNA Molecules in a Microfabricated Entropic Trap Array", Science, Vol. 288, p. 1026-1029 (2000)
		Dubas et al., Factors Controlling the Growth of Polyelectrolyte Multilayers", Macromolecules, Vol. 32, No. 24, p. 8153-8160 (1999)
		Graul et al., "Capillaries Modified by Polyelectrolyte Multilayers for Electrophoretic Separations", Analytical Chemistry, Vol. 71, No. 18, p. 4007-4013 (1999)

EXAMINER'S SIGNATURE	DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw a line through citation if citation not in conformance and reference not considered. Include a copy of this form with next communication to applicant.